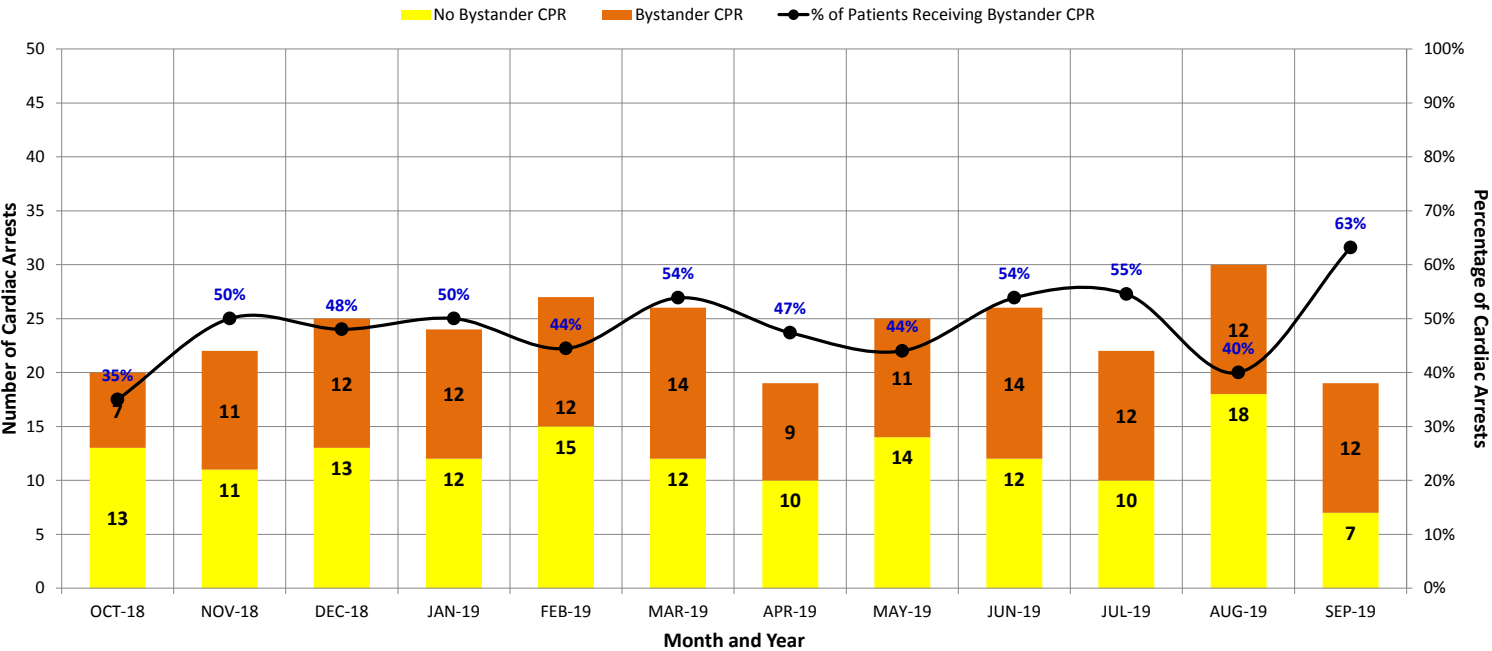
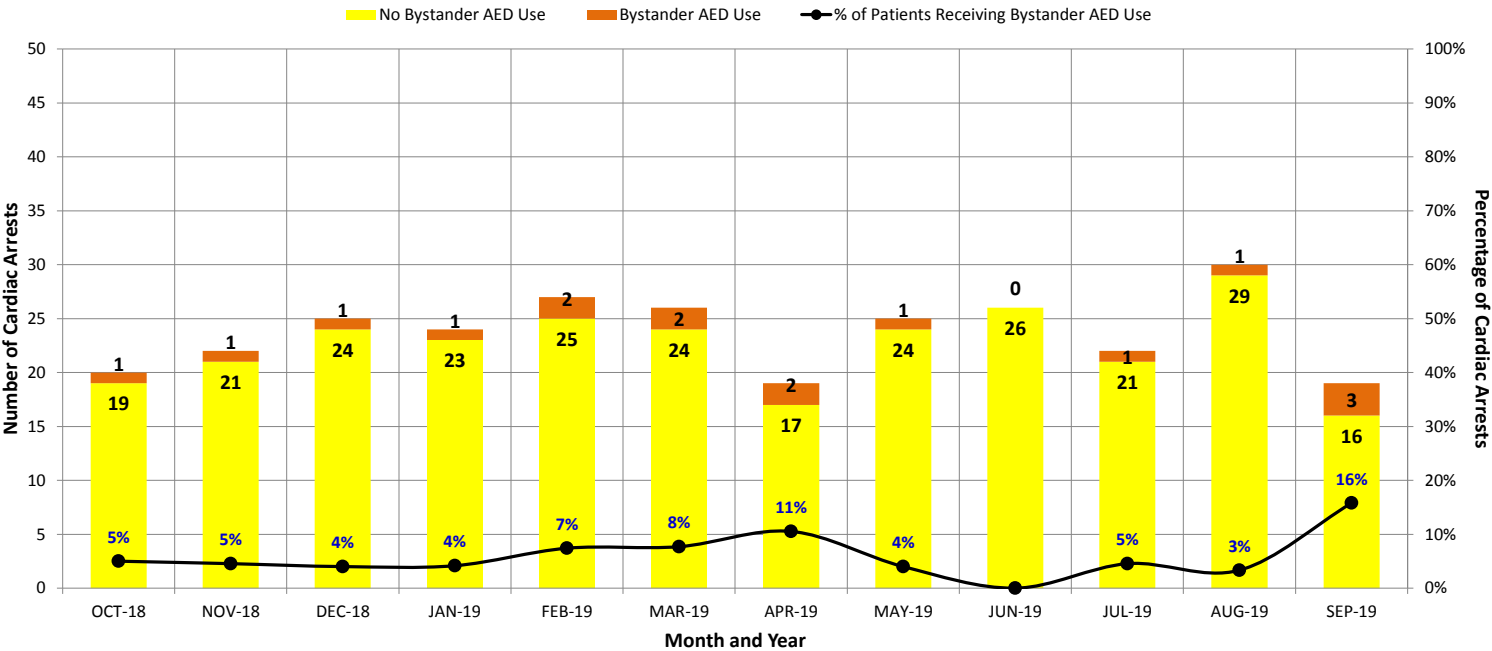


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2019 (10/01/2018 to 09/30/2019)

Cardiac Arrests Witnessed by Bystanders (CPR)

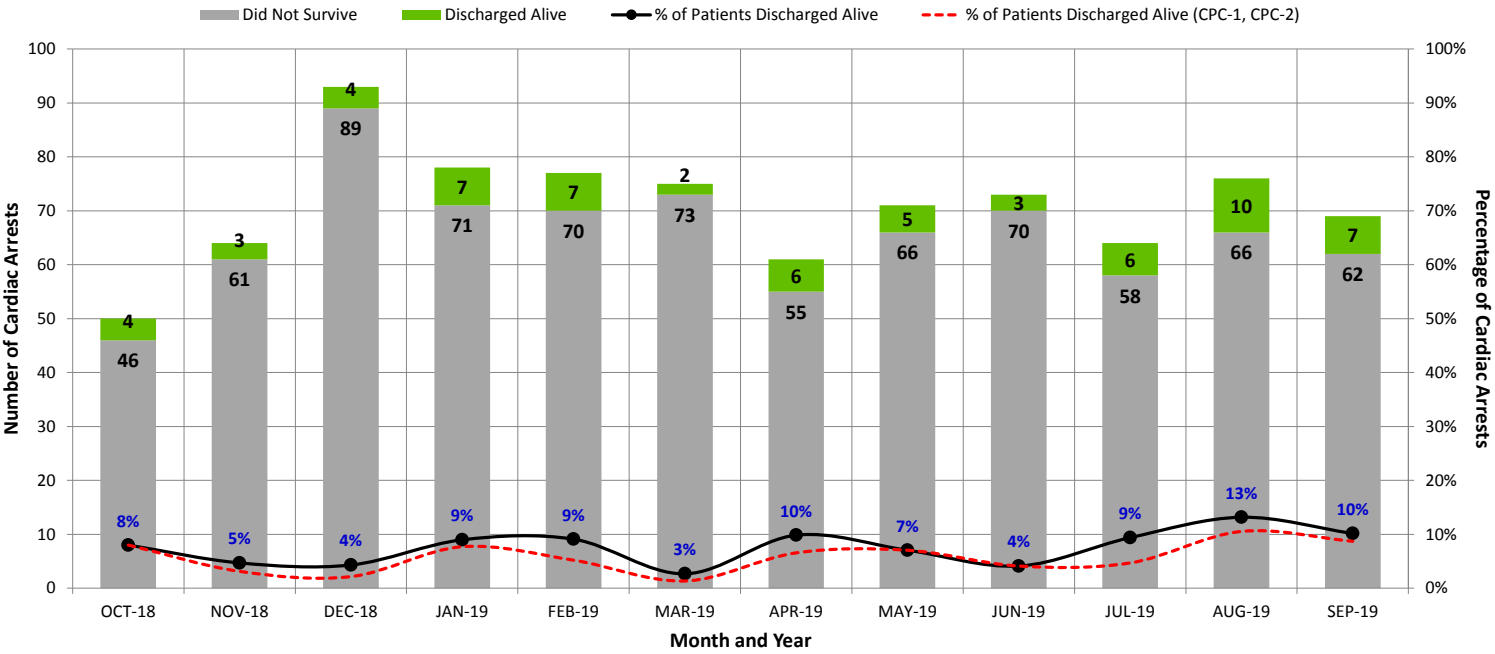


Cardiac Arrests Witnessed by Bystanders (AED Use)

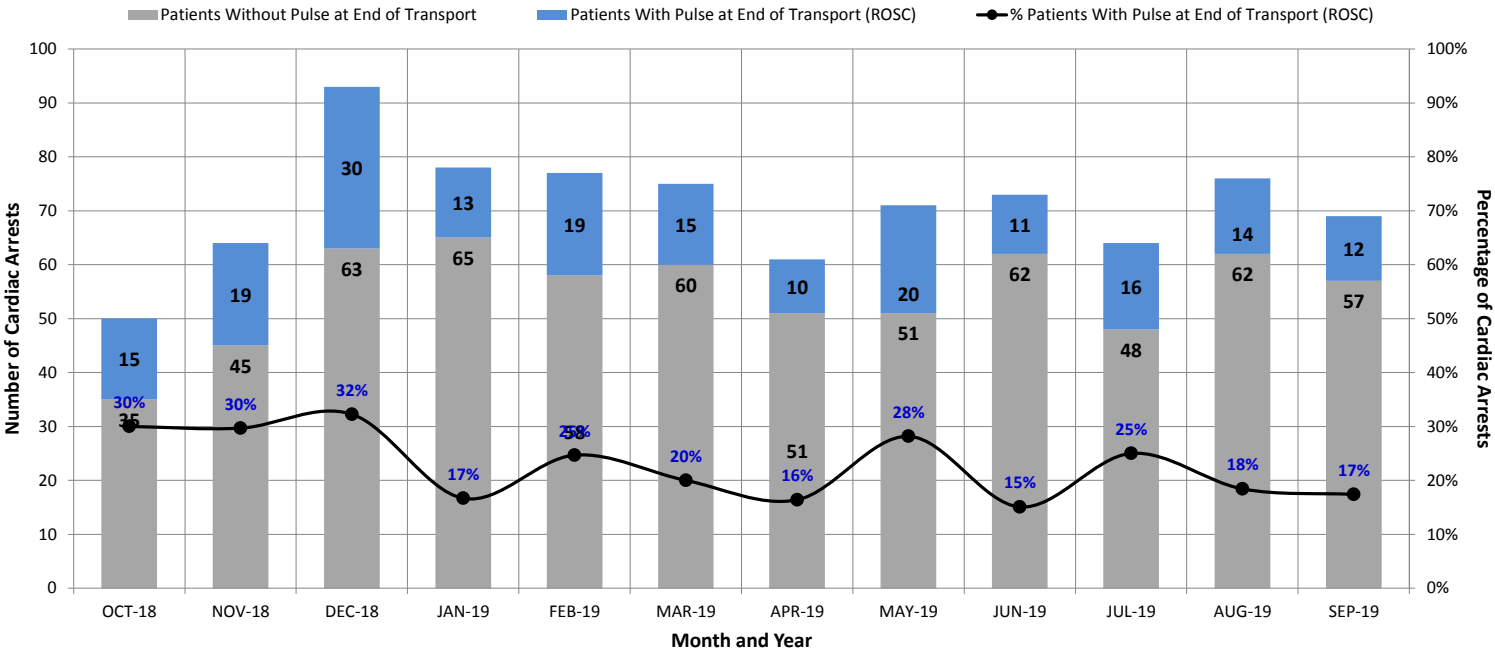


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2019 (10/01/2018 to 09/30/2019)

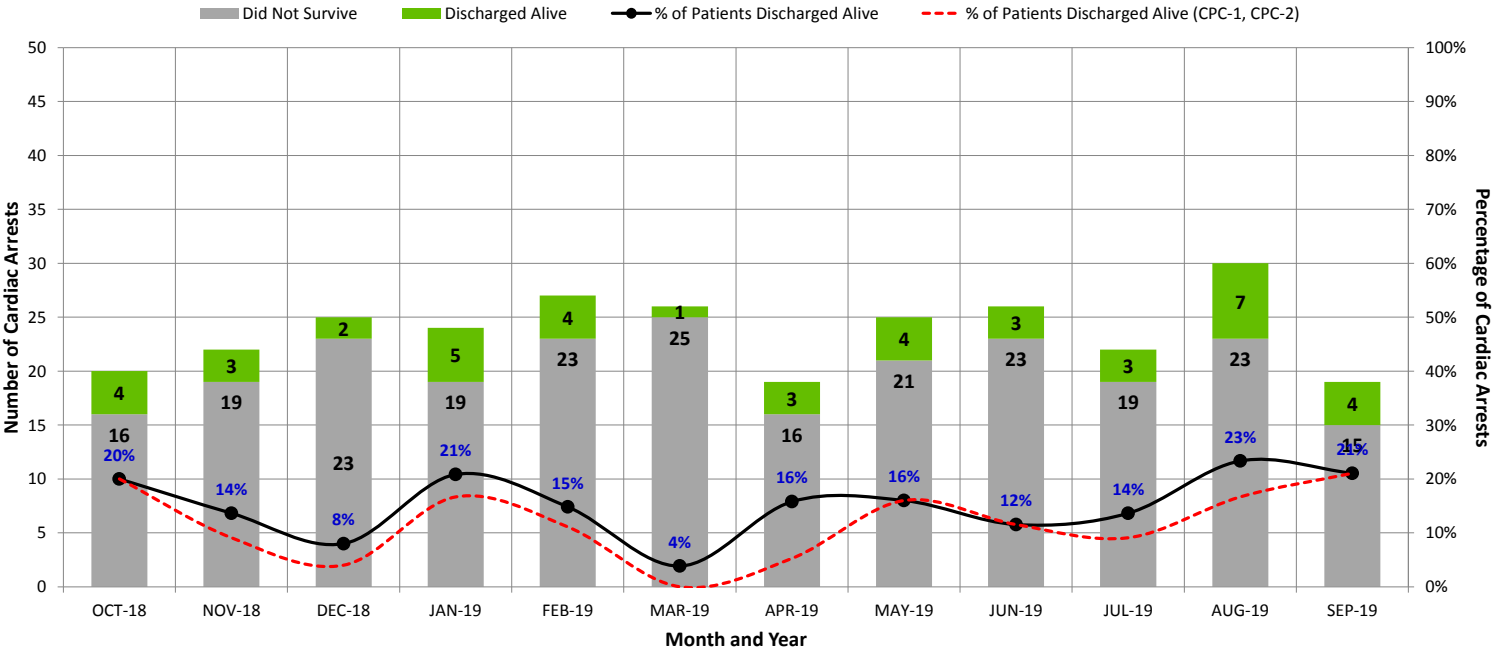
Panel 1: All Cardiac Arrests (Outcome)



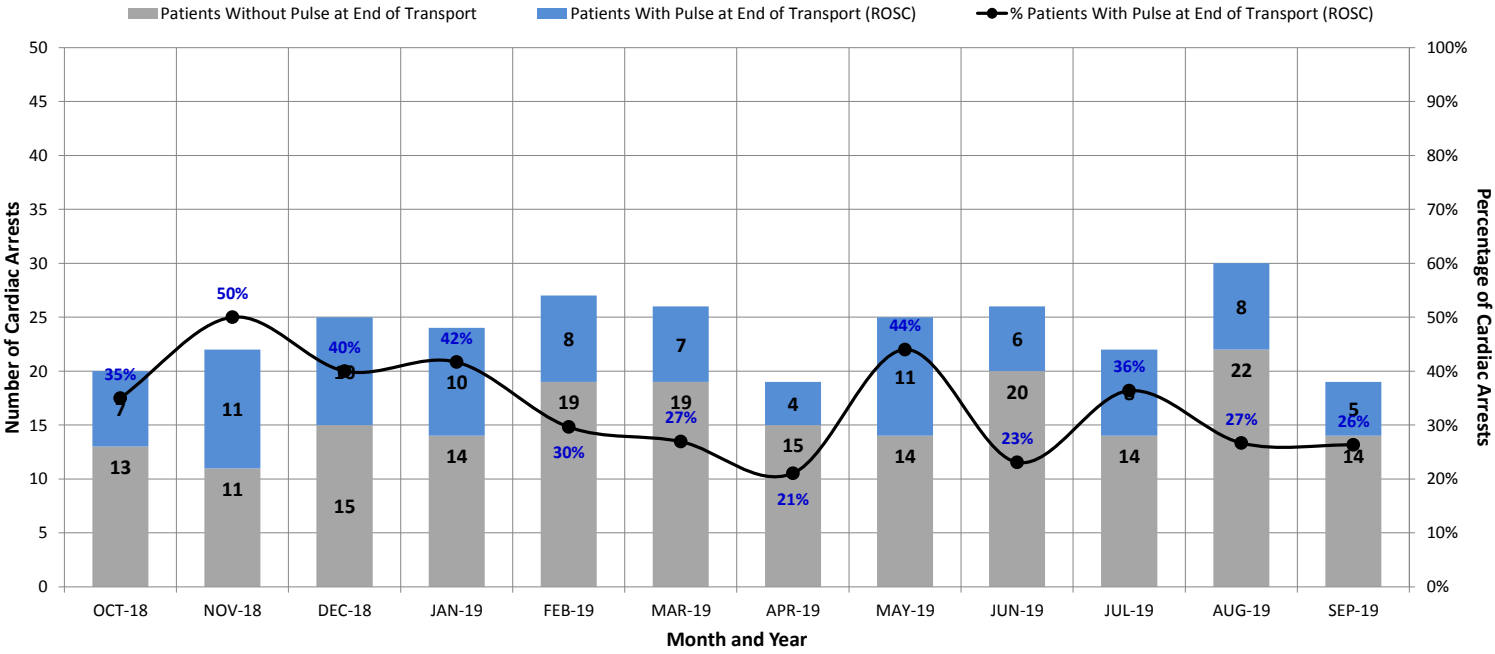
Panel 1-A: All Cardiac Arrests (ROSC)



Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome)

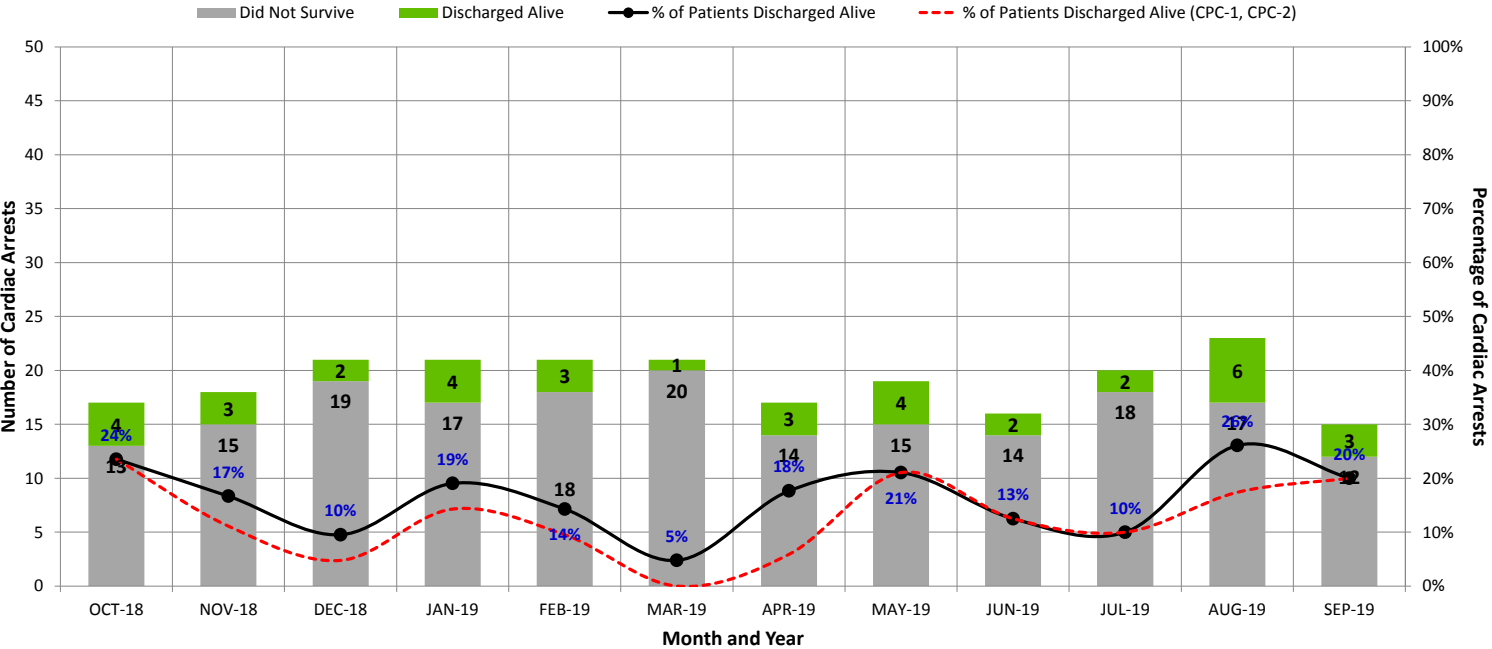


Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)

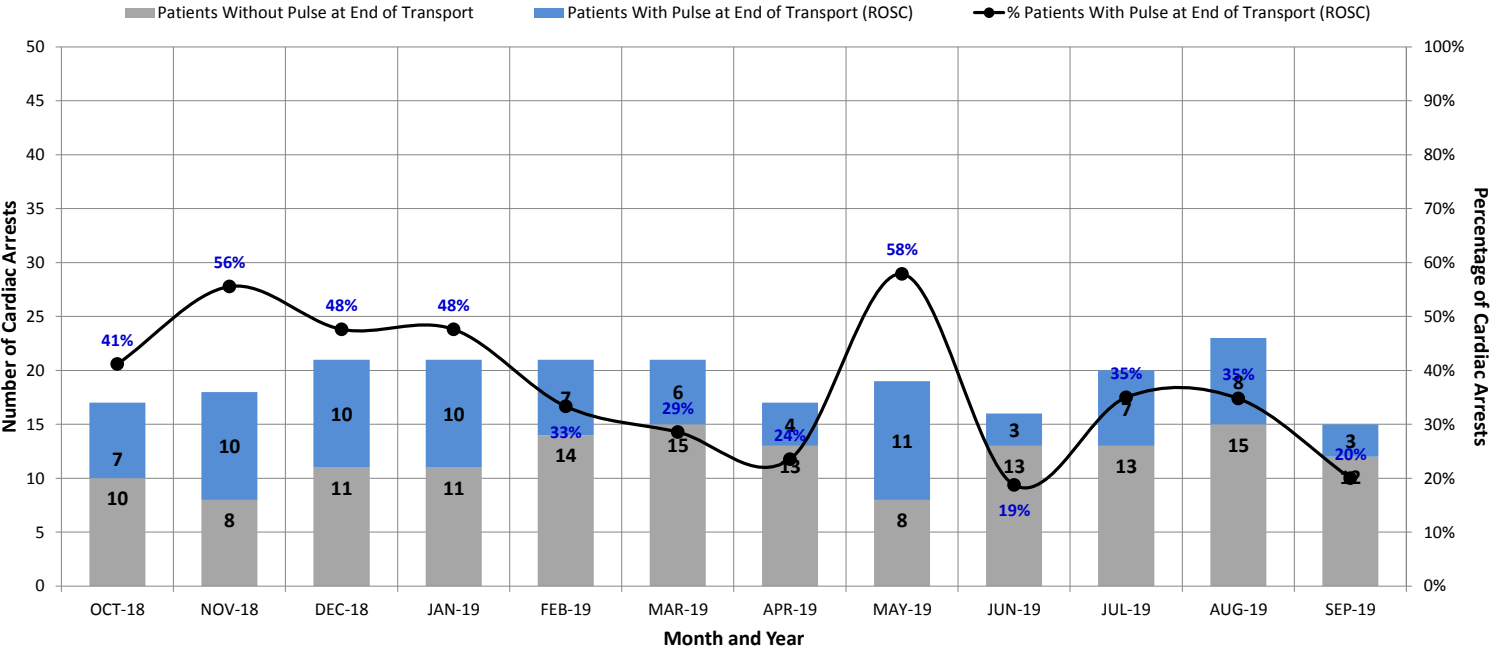


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2019 (10/01/2018 to 09/30/2019)

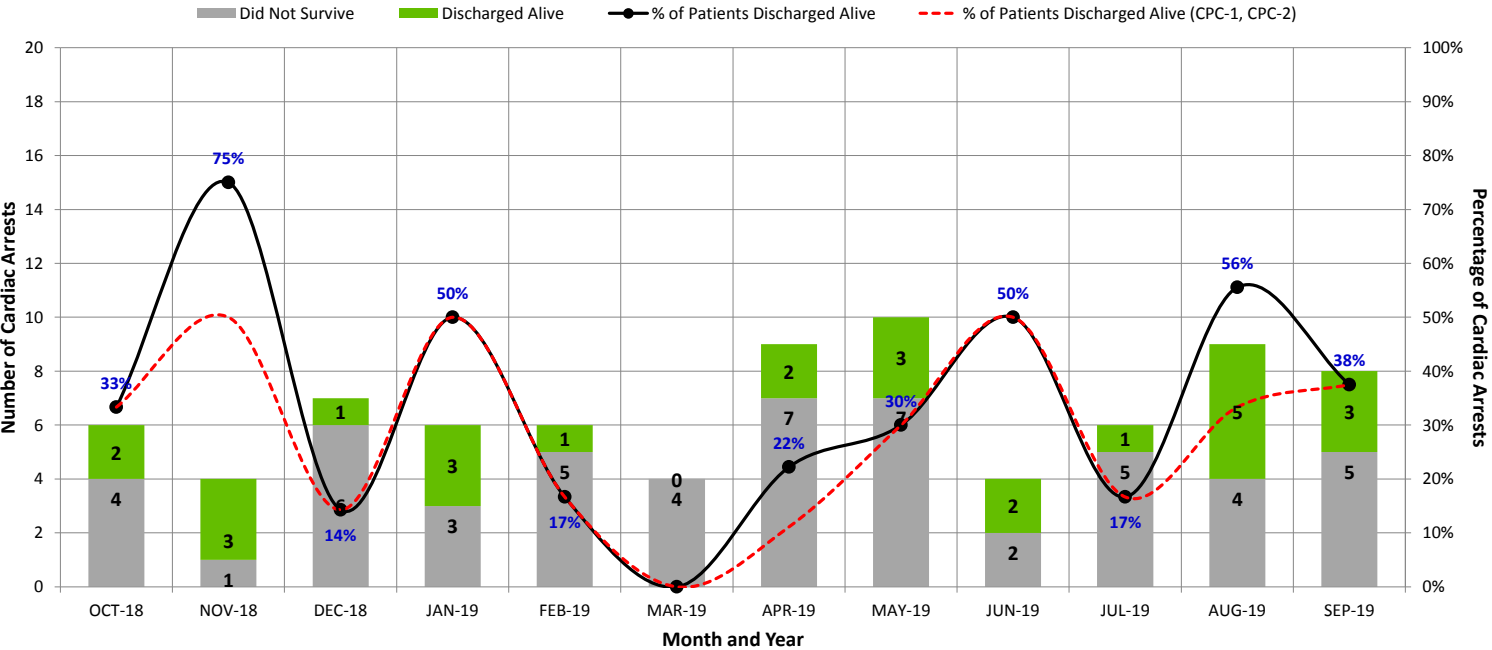
Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)



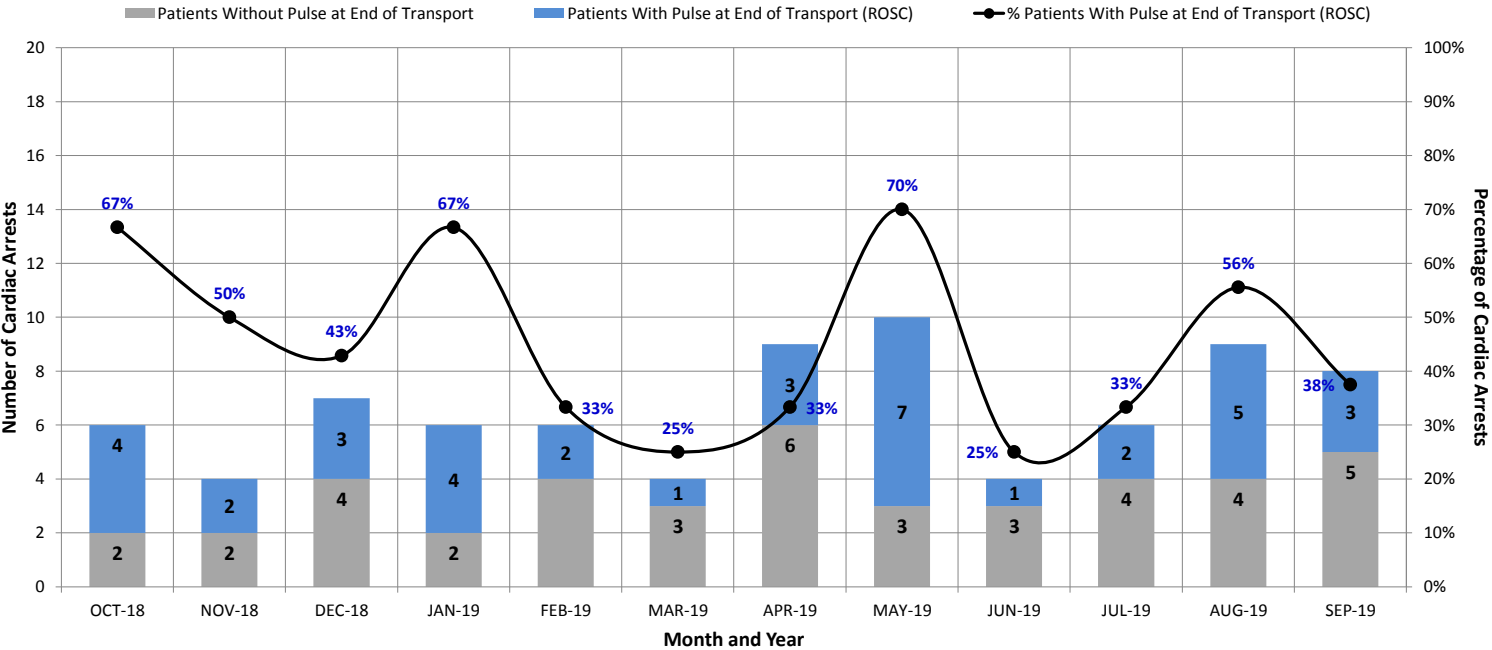
Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)



Panel 4: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (Outcome)



Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)



District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Cardiac Arrests Witnessed by Bystanders (CPR) KPI	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Who Initiated CPR?					
Not Applicable	0	0	0	0	0
Lay Person	14	12	12	17	55
Lay Person Family Member	9	14	19	15	57
Lay Person Medical Provider	7	12	3	4	26
First Responder (non-transport provider)	20	10	14	15	59
Responding EMS Personnel	17	29	22	20	88
CPR Initiated by Bystanders	30	38	34	36	138
CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	44.8%	49.4%	48.6%	50.7%	48.4%

Cardiac Arrests Witnessed by Bystanders (AED Use) KPI	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
AED applied prior to EMS arrival	22	18	14	16	70
Who Applied AED?					
Lay Person	1	0	2	3	6
Lay Person Family Member	0	0	0	0	0
Lay Person Medical Provider	2	5	1	2	10
First Responder (non-transport provider)	19	13	11	11	54
Police Applied AED	5	3	2	4	14
Unknown					
AED Used by Bystanders	3	5	3	5	16
AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	4.5%	6.5%	4.3%	7.0%	5.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 1: All Cardiac Arrests (Outcome)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Transported to ED	139	155	138	138	570
Pronounced Dead in ED	38	56	47	43	184
Ongoing Resuscitation in ED	101	99	91	95	386
Admitted to Hospital	53	50	51	64	218
Died in Hospital	40	29	23	35	127
Discharged alive	11	16	14	23	64
Discharged alive (CPC-1 or CPC-2)	8	11	12	17	48
Discharged alive (CPC-3, CPC-4 or Unk)	3	5	2	6	16
Died in Hospital after DNR	2	5	14	6	27
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	11	16	14	23	64
Total Discharged Alive (CPC-1 or CPC-2)	8	11	12	17	48
Total Discharged Alive (CPC-3, CPC-4 or Unk)	3	5	2	6	16
Overall Survival Rate.	5.3%	7.0%	6.8%	11.0%	7.5%
Overall Survival Rate (CPC-1 or CPC-2).	3.9%	4.8%	5.9%	8.1%	5.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Transported to ED	57	67	56	59	239
Pronounced Dead in ED	16	24	12	19	71
Ongoing Resuscitation in ED	41	43	44	40	168
Admitted to Hospital	22	21	28	26	97
Died in Hospital	13	10	12	10	45
Discharged alive	9	10	10	14	43
Discharged alive (CPC-1 or CPC-2)	7	7	8	11	33
Discharged alive (CPC-3, CPC-4 or Unk)	2	3	2	3	10
Died in Hospital after DNR	0	1	6	2	9
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	9	10	10	14	43
Total Discharged Alive (CPC-1 or CPC-2)	7	7	8	11	33
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	3	2	3	10
Overall Survival Rate.	13.4%	13.0%	14.3%	19.7%	15.1%
Overall Survival Rate (CPC-1 or CPC-2).	10.4%	9.1%	11.4%	15.5%	11.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Presumed Cardiac Etiology	56	63	52	58	229
Transported to ED	50	55	43	49	197
Pronounced Dead in ED	13	18	10	15	56
Ongoing Resuscitation in ED	37	37	33	34	141
Admitted to Hospital	20	19	23	22	84
Died in Hospital	11	10	8	9	38
Discharged alive	9	8	9	11	37
Discharged alive (CPC-1 or CPC-2)	7	5	7	9	28
Discharged alive (CPC-3, CPC-4 or Unk)	2	3	2	2	9
Died in Hospital after DNR	0	1	6	2	9
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	9	8	9	11	37
Total Discharged Alive (CPC-1 or CPC-2)	7	5	7	9	28
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	3	2	2	9
Overall Survival Rate.	16.1%	12.7%	17.3%	19.0%	16.2%
Overall Survival Rate (CPC-1 or CPC-2).	12.5%	7.9%	13.5%	15.5%	12.2%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 4: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (Outcome) KPI	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Presumed Cardiac Etiology	56	63	52	58	229
“Shockable” Rhythm (VFib/VTach/Unk)	17	16	23	23	79
Transported to ED	16	15	22	22	75
Pronounced Dead in ED	3	4	4	5	16
Ongoing Resuscitation in ED	13	11	18	17	59
Admitted to Hospital	9	8	15	14	46
Died in Hospital	3	4	4	4	15
Discharged alive	6	4	7	9	26
Discharged alive (CPC-1 or CPC-2)	5	4	6	7	22
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	2	4
Died in Hospital after DNR	0	0	4	1	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	6	4	7	9	26
Total Discharged Alive (CPC-1 or CPC-2)	5	4	6	7	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	2	4
Overall Survival Rate.	35.3%	25.0%	30.4%	39.1%	32.9%
Overall Survival Rate (CPC-1 or CPC-2).	29.4%	25.0%	26.1%	30.4%	27.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 1-A: All Cardiac Arrests (ROSC)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Pronounced Dead Before Transport	68	75	67	71	281
Transported to ED	139	155	138	138	570
Pulseless at End of Transport	75	108	97	96	376
Pulse at End of Transport	64	47	41	42	194
Pronounced Dead in ED	1	3	1	2	7
Ongoing Resuscitation in ED	63	44	40	40	187
Admitted to Hospital	47	33	29	34	143
Died in Hospital	36	20	11	20	87
Discharged alive	10	11	11	12	44
Discharged alive (CPC-1 or CPC-2)	8	7	9	8	32
Discharged alive (CPC-3, CPC-4 or Unk)	2	4	2	4	12
Died in Hospital after DNR	1	2	7	2	12
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	10	11	11	12	44
Total Discharged Alive (CPC-1 or CPC-2)	8	7	9	8	32
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	4	2	4	12
Pulse at End of Transport (Pre-Hospital ROSC rate).	30.9%	20.4%	20.0%	20.1%	22.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	21.3%	33.3%	37.9%	35.3%	30.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	17.0%	21.2%	31.0%	23.5%	22.4%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Pronounced Dead Before Transport	10	10	14	12	46
Transported to ED	57	67	56	59	239
Pulseless at End of Transport	29	42	35	38	144
Pulse at End of Transport	28	25	21	21	95
Pronounced Dead in ED	1	3	0	0	4
Ongoing Resuscitation in ED	27	22	21	21	91
Admitted to Hospital	19	18	17	16	70
Died in Hospital	11	10	5	8	34
Discharged alive	8	7	8	8	31
Discharged alive (CPC-1 or CPC-2)	7	5	6	6	24
Discharged alive (CPC-3, CPC-4 or Unk)	1	2	2	2	7
Died in Hospital after DNR	0	1	4	0	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	8	7	8	8	31
Total Discharged Alive (CPC-1 or CPC-2)	7	5	6	6	24
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	2	2	2	7
Pulse at End of Transport (Pre-Hospital ROSC rate).	41.8%	32.5%	30.0%	29.6%	33.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	42.1%	38.9%	47.1%	50.0%	44.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	36.8%	27.8%	35.3%	37.5%	34.3%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Presumed Cardiac Etiology	56	63	52	58	229
Pronounced Dead Before Transport	6	8	9	9	32
Transported to ED	50	55	43	49	197
Pulseless at End of Transport	23	32	25	31	111
Pulse at End of Transport	27	23	18	18	86
Pronounced Dead in ED	1	2	0	0	3
Ongoing Resuscitation in ED	26	21	18	18	83
Admitted to Hospital	18	17	14	14	63
Died in Hospital	10	10	3	7	30
Discharged alive	8	6	7	7	28
Discharged alive (CPC-1 or CPC-2)	7	4	5	6	22
Discharged alive (CPC-3, CPC-4 or Unk)	1	2	2	1	6
Died in Hospital after DNR	0	1	4	0	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	8	6	7	7	28
Total Discharged Alive (CPC-1 or CPC-2)	7	4	5	6	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	2	2	1	6
Pulse at End of Transport (Pre-Hospital ROSC rate).	48.2%	36.5%	34.6%	31.0%	37.6%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	44.4%	35.3%	50.0%	50.0%	44.4%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	38.9%	23.5%	35.7%	42.9%	34.9%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2019 (10/01/2018 to 09/30/2019)

Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)	Q1-FY-19	Q2-FY-19	Q3-FY-19	Q4-FY-19	FY-19 (TOTAL)
Total Cardiac Arrests	207	230	205	209	851
Witnessed Cardiac Arrests	97	105	92	92	386
NOT Witnessed by EMS	67	77	70	71	285
Presumed Cardiac Etiology	56	63	52	58	229
"Shockable" Rhythm (VFib/VTach/Unk)	17	16	23	23	79
Pronounced Dead Before Transport	1	1	1	1	4
Transported to ED	16	15	22	22	75
Pulseless at End of Transport	7	8	11	12	38
Pulse at End of Transport	9	7	11	10	37
Pronounced Dead in ED	0	0	0	0	0
Ongoing Resuscitation in ED	9	7	11	10	37
Admitted to Hospital	8	7	10	10	35
Died in Hospital	3	4	2	4	13
Discharged alive	5	3	5	6	19
Discharged alive (CPC-1 or CPC-2)	5	3	4	5	17
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	1	1	2
Died in Hospital after DNR	0	0	3	0	3
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	5	3	5	6	19
Total Discharged Alive (CPC-1 or CPC-2)	5	3	4	5	17
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	0	1	1	2
Pulse at End of Transport (Pre-Hospital ROSC rate).	52.9%	43.8%	47.8%	43.5%	46.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	62.5%	42.9%	50.0%	60.0%	54.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	62.5%	42.9%	40.0%	50.0%	48.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Cardiac Arrests Witnessed by Bystanders (CPR) KPI	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Who Initiated CPR?													
Not Applicable	0	0	0	0	0	0	0	0	0	0	0	0	0
Lay Person	5	4	5	3	3	6	6	3	3	5	6	6	55
Lay Person Family Member	0	6	3	7	5	2	2	7	10	5	6	4	57
Lay Person Medical Provider	2	1	4	2	4	6	1	1	1	2	0	2	26
First Responder (non-transport provider)	8	4	8	1	8	1	5	3	6	3	9	3	59
Responding EMS Personnel	5	7	5	11	7	11	5	11	6	7	9	4	88
CPR Initiated by Bystanders	7	11	12	12	12	14	9	11	14	12	12	12	138
CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	35.0%	50.0%	48.0%	50.0%	44.4%	53.8%	47.4%	44.0%	53.8%	54.5%	40.0%	63.2%	48.4%

Cardiac Arrests Witnessed by Bystanders (AED Use) KPI	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
AED applied prior to EMS arrival	8	5	9	4	8	6	6	4	4	3	7	6	70
Who Applied AED?													
Lay Person	0	1	0	0	0	0	1	1	0	0	1	2	6
Lay Person Family Member	0	0	0	0	0	0	0	0	0	0	0	0	0
Lay Person Medical Provider	1	0	1	1	2	2	1	0	0	1	0	1	10
First Responder (non-transport provider)	7	4	8	3	6	4	4	3	4	2	6	3	54
Police Applied AED	2	0	3	0	2	1	1	1	0	1	1	2	14
Unknown													0
AED Used by Bystanders	1	1	1	1	2	2	2	1	0	1	1	3	16
AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	5.0%	4.5%	4.0%	4.2%	7.4%	7.7%	10.5%	4.0%	0.0%	4.5%	3.3%	15.8%	5.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 1: All Cardiac Arrests (Outcome)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Transported to ED	30	49	60	49	51	55	42	51	45	43	53	42	570
Pronounced Dead in ED	7	15	16	16	20	20	11	20	16	16	15	12	184
Ongoing Resuscitation in ED	23	34	44	33	31	35	31	31	29	27	38	30	386
Admitted to Hospital	13	19	21	17	18	15	17	17	17	20	24	20	218
Died in Hospital	8	15	17	9	10	10	6	5	12	11	12	12	127
Discharged alive	4	3	4	7	7	2	6	5	3	6	10	7	64
Discharged alive (CPC-1 or CPC-2)	4	2	2	6	4	1	4	5	3	3	8	6	48
Discharged alive (CPC-3, CPC-4 or Unk)	0	1	2	1	3	1	2	0	0	3	2	1	16
Died in Hospital after DNR	1	1	0	1	1	3	5	7	2	3	2	1	27
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	3	4	7	7	2	6	5	3	6	10	7	64
Total Discharged Alive (CPC-1 or CPC-2)	4	2	2	6	4	1	4	5	3	3	8	6	48
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	1	2	1	3	1	2	0	0	3	2	1	16
Overall Survival Rate.	8.0%	4.7%	4.3%	9.0%	9.1%	2.7%	9.8%	7.0%	4.1%	9.4%	13.2%	10.1%	7.5%
Overall Survival Rate (CPC-1 or CPC-2).	8.0%	3.1%	2.2%	7.7%	5.2%	1.3%	6.6%	7.0%	4.1%	4.7%	10.5%	8.7%	5.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Transported to ED	16	21	20	21	22	24	16	21	19	19	25	15	239
Pronounced Dead in ED	4	6	6	7	9	8	3	5	4	6	7	6	71
Ongoing Resuscitation in ED	12	15	14	14	13	16	13	16	15	13	18	9	168
Admitted to Hospital	8	9	5	9	6	6	7	10	11	9	11	6	97
Died in Hospital	4	6	3	4	2	4	3	2	7	4	4	2	45
Discharged alive	4	3	2	5	4	1	3	4	3	3	7	4	43
Discharged alive (CPC-1 or CPC-2)	4	2	1	4	3	0	1	4	3	2	5	4	33
Discharged alive (CPC-3, CPC-4 or Unk)	0	1	1	1	1	1	2	0	0	1	2	0	10
Died in Hospital after DNR	0	0	0	0	0	1	1	4	1	2	0	0	9
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	3	2	5	4	1	3	4	3	3	7	4	43
Total Discharged Alive (CPC-1 or CPC-2)	4	2	1	4	3	0	1	4	3	2	5	4	33
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	1	1	1	1	1	2	0	0	1	2	0	10
Overall Survival Rate.	20.0%	13.6%	8.0%	20.8%	14.8%	3.8%	15.8%	16.0%	11.5%	13.6%	23.3%	21.1%	15.1%
Overall Survival Rate (CPC-1 or CPC-2).	20.0%	9.1%	4.0%	16.7%	11.1%	0.0%	5.3%	16.0%	11.5%	9.1%	16.7%	21.1%	11.6%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Presumed Cardiac Etiology	17	18	21	21	21	21	17	19	16	20	23	15	229
Transported to ED	14	18	18	19	16	20	14	17	12	18	20	11	197
Pronounced Dead in ED	3	4	6	7	6	5	3	4	3	6	4	5	56
Ongoing Resuscitation in ED	11	14	12	12	10	15	11	13	9	12	16	6	141
Admitted to Hospital	7	8	5	8	5	6	7	10	6	8	10	4	84
Died in Hospital	3	5	3	4	2	4	3	2	3	4	4	1	38
Discharged alive	4	3	2	4	3	1	3	4	2	2	6	3	37
Discharged alive (CPC-1 or CPC-2)	4	2	1	3	2	0	1	4	2	2	4	3	28
Discharged alive (CPC-3, CPC-4 or Unk)	0	1	1	1	1	1	2	0	0	0	2	0	9
Died in Hospital after DNR	0	0	0	0	0	1	1	4	1	2	0	0	9
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	3	2	4	3	1	3	4	2	2	6	3	37
Total Discharged Alive (CPC-1 or CPC-2)	4	2	1	3	2	0	1	4	2	2	4	3	28
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	1	1	1	1	1	2	0	0	0	2	0	9
Overall Survival Rate.	23.5%	16.7%	9.5%	19.0%	14.3%	4.8%	17.6%	21.1%	12.5%	10.0%	26.1%	20.0%	16.2%
Overall Survival Rate (CPC-1 or CPC-2).	23.5%	11.1%	4.8%	14.3%	9.5%	0.0%	5.9%	21.1%	12.5%	10.0%	17.4%	20.0%	12.2%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 4: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (Outcome) KPI	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Presumed Cardiac Etiology	17	18	21	21	21	21	17	19	16	20	23	15	229
“Shockable” Rhythm (VFib/VTach/Unk)	6	4	7	6	6	4	9	10	4	6	9	8	79
Transported to ED	6	4	6	6	5	4	8	10	4	6	9	7	75
Pronounced Dead in ED	1	1	1	1	2	1	2	1	1	2	0	3	16
Ongoing Resuscitation in ED	5	3	5	5	3	3	6	9	3	4	9	4	59
Admitted to Hospital	4	3	2	5	2	1	5	8	2	3	7	4	46
Died in Hospital	2	0	1	2	1	1	2	2	0	1	2	1	15
Discharged alive	2	3	1	3	1	0	2	3	2	1	5	3	26
Discharged alive (CPC-1 or CPC-2)	2	2	1	3	1	0	1	3	2	1	3	3	22
Discharged alive (CPC-3, CPC-4 or Unk)	0	1	0	0	0	0	1	0	0	0	2	0	4
Died in Hospital after DNR	0	0	0	0	0	0	1	3	0	1	0	0	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	2	3	1	3	1	0	2	3	2	1	5	3	26
Total Discharged Alive (CPC-1 or CPC-2)	2	2	1	3	1	0	1	3	2	1	3	3	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	1	0	0	0	0	1	0	0	0	2	0	4
Overall Survival Rate.	33.3%	75.0%	14.3%	50.0%	16.7%	0.0%	22.2%	30.0%	50.0%	16.7%	55.6%	37.5%	32.9%
Overall Survival Rate (CPC-1 or CPC-2).	33.3%	50.0%	14.3%	50.0%	16.7%	0.0%	11.1%	30.0%	50.0%	16.7%	33.3%	37.5%	27.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 1-A: All Cardiac Arrests (ROSC)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Pronounced Dead Before Transport	20	15	33	29	26	20	19	20	28	21	23	27	281
Transported to ED	30	49	60	49	51	55	42	51	45	43	53	42	570
Pulseless at End of Transport	15	30	30	36	32	40	32	31	34	27	39	30	376
Pulse at End of Transport	15	19	30	13	19	15	10	20	11	16	14	12	194
Pronounced Dead in ED	0	1	0	1	1	1	0	0	1	0	1	1	7
Ongoing Resuscitation in ED	15	18	30	12	18	14	10	20	10	16	13	11	187
Admitted to Hospital	12	14	21	10	13	10	6	15	8	14	10	10	143
Died in Hospital	7	12	17	6	8	6	2	3	6	8	6	6	87
Discharged alive	4	2	4	4	5	2	4	5	2	5	4	3	44
Discharged alive (CPC-1 or CPC-2)	4	2	2	3	3	1	2	5	2	3	3	2	32
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	2	1	2	1	2	0	0	2	1	1	12
Died in Hospital after DNR	1	0	0	0	0	2	0	7	0	1	0	1	12
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	2	4	4	5	2	4	5	2	5	4	3	44
Total Discharged Alive (CPC-1 or CPC-2)	4	2	2	3	3	1	2	5	2	3	3	2	32
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	0	2	1	2	1	2	0	0	2	1	1	12
Pulse at End of Transport (Pre-Hospital ROSC rate).	30.0%	29.7%	32.3%	16.7%	24.7%	20.0%	16.4%	28.2%	15.1%	25.0%	18.4%	17.4%	22.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	33.3%	14.3%	19.0%	40.0%	38.5%	20.0%	66.7%	33.3%	25.0%	35.7%	40.0%	30.0%	30.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	33.3%	14.3%	9.5%	30.0%	23.1%	10.0%	33.3%	33.3%	25.0%	21.4%	30.0%	20.0%	22.4%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Pronounced Dead Before Transport	4	1	5	3	5	2	3	4	7	3	5	4	46
Transported to ED	16	21	20	21	22	24	16	21	19	19	25	15	239
Pulseless at End of Transport	9	10	10	11	14	17	12	10	13	11	17	10	144
Pulse at End of Transport	7	11	10	10	8	7	4	11	6	8	8	5	95
Pronounced Dead in ED	0	1	0	1	1	1	0	0	0	0	0	0	4
Ongoing Resuscitation in ED	7	10	10	9	7	6	4	11	6	8	8	5	91
Admitted to Hospital	7	7	5	7	5	6	3	9	5	6	6	4	70
Died in Hospital	3	5	3	4	2	4	1	1	3	3	3	2	34
Discharged alive	4	2	2	3	3	1	2	4	2	3	3	2	31
Discharged alive (CPC-1 or CPC-2)	4	2	1	2	3	0	0	4	2	2	2	2	24
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	1	1	0	1	2	0	0	1	1	0	7
Died in Hospital after DNR	0	0	0	0	0	1	0	4	0	0	0	0	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	2	2	3	3	1	2	4	2	3	3	2	31
Total Discharged Alive (CPC-1 or CPC-2)	4	2	1	2	3	0	0	4	2	2	2	2	24
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	0	1	1	0	1	2	0	0	1	1	0	7
Pulse at End of Transport (Pre-Hospital ROSC rate).	35.0%	50.0%	40.0%	41.7%	29.6%	26.9%	21.1%	44.0%	23.1%	36.4%	26.7%	26.3%	33.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	57.1%	28.6%	40.0%	42.9%	60.0%	16.7%	66.7%	44.4%	40.0%	50.0%	50.0%	50.0%	44.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	57.1%	28.6%	20.0%	28.6%	60.0%	0.0%	0.0%	44.4%	40.0%	33.3%	33.3%	50.0%	34.3%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Presumed Cardiac Etiology	17	18	21	21	21	21	17	19	16	20	23	15	229
Pronounced Dead Before Transport	3	0	3	2	5	1	3	2	4	2	3	4	32
Transported to ED	14	18	18	19	16	20	14	17	12	18	20	11	197
Pulseless at End of Transport	7	8	8	9	9	14	10	6	9	11	12	8	111
Pulse at End of Transport	7	10	10	10	7	6	4	11	3	7	8	3	86
Pronounced Dead in ED	0	1	0	1	1	0	0	0	0	0	0	0	3
Ongoing Resuscitation in ED	7	9	10	9	6	6	4	11	3	7	8	3	83
Admitted to Hospital	7	6	5	7	4	6	3	9	2	5	6	3	63
Died in Hospital	3	4	3	4	2	4	1	1	1	3	3	1	30
Discharged alive	4	2	2	3	2	1	2	4	1	2	3	2	28
Discharged alive (CPC-1 or CPC-2)	4	2	1	2	2	0	0	4	1	2	2	2	22
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	1	1	0	1	2	0	0	0	1	0	6
Died in Hospital after DNR	0	0	0	0	0	1	0	4	0	0	0	0	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	4	2	2	3	2	1	2	4	1	2	3	2	28
Total Discharged Alive (CPC-1 or CPC-2)	4	2	1	2	2	0	0	4	1	2	2	2	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	0	1	1	0	1	2	0	0	0	1	0	6
Pulse at End of Transport (Pre-Hospital ROSC rate).	41.2%	55.6%	47.6%	47.6%	33.3%	28.6%	23.5%	57.9%	18.8%	35.0%	34.8%	20.0%	37.6%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	57.1%	33.3%	40.0%	42.9%	50.0%	16.7%	66.7%	44.4%	50.0%	40.0%	50.0%	66.7%	44.4%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	57.1%	33.3%	20.0%	28.6%	50.0%	0.0%	0.0%	44.4%	50.0%	40.0%	33.3%	66.7%	34.9%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2019 (10/01/2018 to 09/30/2019)

Panel 4-A: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (ROSC)	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19	MAR-19	APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	FY-19 (FINAL)
Total Cardiac Arrests	50	64	93	78	77	75	61	71	73	64	76	69	851
Witnessed Cardiac Arrests	22	34	41	37	39	29	27	30	35	27	38	27	386
NOT Witnessed by EMS	20	22	25	24	27	26	19	25	26	22	30	19	285
Presumed Cardiac Etiology	17	18	21	21	21	21	17	19	16	20	23	15	229
“Shockable” Rhythm (VFib/VTach/Unk)	6	4	7	6	6	4	9	10	4	6	9	8	79
Pronounced Dead Before Transport	0	0	1	0	1	0	1	0	0	0	0	1	4
Transported to ED	6	4	6	6	5	4	8	10	4	6	9	7	75
Pulseless at End of Transport	2	2	3	2	3	3	5	3	3	4	4	4	38
Pulse at End of Transport	4	2	3	4	2	1	3	7	1	2	5	3	37
Pronounced Dead in ED	0	0	0	0	0	0	0	0	0	0	0	0	0
Ongoing Resuscitation in ED	4	2	3	4	2	1	3	7	1	2	5	3	37
Admitted to Hospital	4	2	2	4	2	1	2	7	1	2	5	3	35
Died in Hospital	2	0	1	2	1	1	1	1	0	1	2	1	13
Discharged alive	2	2	1	2	1	0	1	3	1	1	3	2	19
Discharged alive (CPC-1 or CPC-2)	2	2	1	2	1	0	0	3	1	1	2	2	17
Discharged alive (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	1	0	0	0	1	0	2
Died in Hospital after DNR	0	0	0	0	0	0	0	3	0	0	0	0	3
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	2	2	1	2	1	0	1	3	1	1	3	2	19
Total Discharged Alive (CPC-1 or CPC-2)	2	2	1	2	1	0	0	3	1	1	2	2	17
Total Discharged Alive (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	1	0	0	0	1	0	2
Pulse at End of Transport (Pre-Hospital ROSC rate).	66.7%	50.0%	42.9%	66.7%	33.3%	25.0%	33.3%	70.0%	25.0%	33.3%	55.6%	37.5%	46.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	50.0%	100.0%	50.0%	50.0%	50.0%	0.0%	50.0%	42.9%	100.0%	50.0%	60.0%	66.7%	54.3%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	50.0%	100.0%	50.0%	50.0%	50.0%	0.0%	0.0%	42.9%	100.0%	50.0%	40.0%	66.7%	48.6%